

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 99/00485

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/12 C12N15/62 C07K14/47 C07K14/475 C12Q1/68
 A61K31/7115 A61K38/17 A61K38/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)



C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MOROZ C ET AL: "T-cell mitogenesis stimulates the synthesis of a mRNA species coding for a 43-kDa peptide reactive with CM-H-9, a monoclonal antibody specific for placental isoferitin." PROC. NATL. ACAD. SCI. USA, vol. 86, no. 9, May 1989 (1989-05), pages 3282-3285, XP002131123	1-7, 16, 28, 29
Y	abstract	8-12, 17-27
Y	page 3285, left-hand column, line 8-47 US 4 882 270 A (MOROZ CHAYA) 21 November 1989 (1989-11-21) column 2, line 22 -column 3, line 22 claims 26-35	8-11, 17-20, 22, 23, 27

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

24 February 2000

Date of mailing of the international search report

15/03/2000

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y ✓	WO 89 09936 A (MOROZ CHAYA) 19 October 1989 (1989-10-19) page 1, line 23 -page 9, line 5 example 6 claims 1,13-18,26,30,33-35,38,39 ---	8,9,12, 17,18, 21,22, 25-27
Y ✓	US 5 571 678 A (MOROZ CHAYA ET AL) 5 November 1996 (1996-11-05) column 2, line 57 -column 3, line 63 examples 7-9 claims 1,4,7 ---	8,9,12
Y ✓	FISCH B ET AL.: "Placental isoferitin as a marker of early abortion in pregnancies induced by in vitro fertilization" PLACENTA, vol. 17, no. 4, May 1996 (1996-05), pages 247-251, XP000877132 abstract ---	8,9,12
Y ✓	GARTY B Z ET AL.: "High serum levels of placental isoferitin p43 component in Down syndrome." CHILDREN'S HOSPITAL QUARTERLY, vol. 10, no. 1, 1998, pages 39-41, XP000876978 abstract ---	24
X ✓	PATENT ABSTRACTS OF JAPAN & JP 07 031482 A (RAIFU TECHNOL KENKYUSHO), 3 February 1995 (1995-02-03) Note: 93.8% aa sequence identity of aa 1-118 with aa 1-118 of SEQ ID NO:6. abstract figures 1-7 ---	1-7,16
Y		8-10, 17-19
X ✓	DATABASE GCG_GENESQ_P 'Online! Geneseq ID R71567, AC R71567, 1 November 1995 (1995-11-01) ZH LIFE TECHNOLOGY KENKYUSHO: "Human monocyte growth factor" XP002131125 page 1, line 19-25 ---	1-7,16
Y		8-10, 17-19
Y ✓	EP 0 426 458 A (JAPAN ANTIBIOTICS RES ASSOC) 8 May 1991 (1991-05-08) page 2, line 37-45 ---	8-10, 17-19
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BOYD D ET AL.: "Structural and functional relationships of human ferritin H and L chains deduced from cDNA clones"</p> <p>JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 260, no. 21, 25 September 1985 (1985-09-25), pages 11755-11761, XP000876843</p> <p>Note: 99.5% nt sequence identity of nt 56-432 of H ferritin cDNA with nt 86-462 of SEQ ID NO:1.</p> <p>abstract</p> <p>page 11755, left-hand column, line 13-17</p> <p>figures 2,3</p>	1-7,16
X	<p>--- DATABASE EMORG 'Online! EMBL ID MIHSXX, AC V00662, 9 June 1982 (1982-06-09) ANDERSON S ET AL.: "H. sapiens mitochondrial genome" XP002131126 Note: 99.5% nt sequence identity of nt 6486-6694 with nt 463-671 of SEQ ID NO:1. page 3, line 28-41 page 11</p>	1-7,16
A	<p>--- HIGGY N A ET AL: "Differential expression of human ferritin H chain gene in immortal human breast epithelial MCF-10F cells"</p> <p>MOLECULAR CARCINOGENESIS, vol. 20, no. 4, December 1997 (1997-12), pages 332-339, XP000876881</p> <p>abstract</p>	1,28
A	<p>--- ROSEN H R: "Placental isoferitin-associated p43 in pregnancy and breast cancer. Minireview."</p> <p>NEOPLASMA, vol. 43, no. 6, 1996, pages 357-362, XP000876880</p> <p>the whole document</p>	1,10-12, 19-21, 23,25,26
A	<p>--- MAYMON R ET AL.: "Placental isoferitin: a new biomarker from conception to delivery"</p> <p>BRITISH JOURNAL OF OBSTETRICS AND GYNAECOLOGY, vol. 103, no. 4, April 1996 (1996-04), pages 301-305, XP000877134</p> <p>the whole document</p> <p>--- -/--</p>	1,12,21, 26

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	YANIV I ET AL: "p43, a new placental isoferritin subunit, is a growth factor for granulocyte-monocyte progenitor cells" BONE MARROW TRANSPLANTATION, vol. 23, no. suppl. 1, March 1999 (1999-03), page S83 (272) XP000876882 abstract -----	13-15

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Information on patent family members

International Application No

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